

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) An enhanced passive scanning method for a wireless local area network, comprising:
  - receiving ~~at least one of~~ a beacon signal and or a gratuitous probe response;
  - updating a site timing table entry in a site timing table based on the received beacon signal and or gratuitous probe response; and
  - setting a scan start time for a neighboring access point or mobile device based on entries in the updated site timing table.
2. (currently amended) The method of claim 1 wherein ~~at least one of~~ the beacon signal and or the gratuitous probe response are received from ~~at least one of~~ a mobile station and or an access point.
3. (original) The method of claim 1 wherein the beacon signal is received from an access point, the beacon signal including an access-point timestamp, a beacon interval, a basic service set identifier, and a traffic indication map.
4. (original) The method of claim 1 wherein the gratuitous probe response is received from an access point, the gratuitous probe response including an access-point timestamp, a gratuitous probe response interval, and a basic service set identifier.
5. (original) The method of claim 1 wherein the updated site timing table includes an access-point timestamp, a local station timestamp, a beacon interval, and a gratuitous probe response interval.

6. (original) The method of claim 1 further comprising determining a power mode for a wireless communication device based on the scan start time.

7. (currently amended) The method of claim 6 wherein determining a power mode based on the scan start time comprises determining a time period remaining until a target beacon transmission time ~~and~~ or a target gratuitous probe response transmission time is scheduled.

8. (currently amended) The method of claim 1 further comprising:  
scanning at least one channel for the beacon signal ~~and~~ or the gratuitous probe response.

9. (currently amended) The method of claim 8 wherein scanning at least one channel comprises one of performing an active scan, performing a passive scan, ~~and~~ or performing an enhanced passive scan.

10. (currently amended) The method of claim 1 further comprising:  
creating the site timing table with at least one site timing table entry, the site timing table based on ~~at least one of~~ a received beacon signal ~~and~~ or a gratuitous probe response.

11. (currently amended) The method of claim 10 wherein creating the site timing table entry comprises tuning to an access point channel, receiving ~~at least one of~~ the beacon signal ~~and~~ or the gratuitous probe response, collecting transmission measurements of an access point, and storing access point information in the site timing table.

12. (currently amended) The method of claim 1 further comprising:  
selecting an access point based on ~~at least one of~~ the received beacon signals ~~and~~ or gratuitous probe responses.

13. (original) The method of claim 1 further comprising:  
generating an enhanced passive scan schedule based on at least one site timing table entry in the site timing table, the enhanced passive scan schedule including a channel number, a local scan start time, and a maximum channel scan time for each site timing table entry in the site timing table.

14. (currently amended) An enhanced passive scanning system for a wireless local area network, comprising:  
means for receiving ~~at least one of~~ a beacon signal ~~and~~ or a gratuitous probe response;  
means for updating a site timing table entry in a site timing table based on at least one of the received beacon signal and gratuitous probe response; and  
means for setting a scan start time for a neighboring access point or mobile device based on entries in the updated site timing table.

15. (currently amended) The system of claim 14 further comprising:  
means for scanning at least one channel for ~~at least one of~~ the beacon signal ~~and~~ or the gratuitous probe response.

16. (currently amended) The system of claim 15 further comprising:  
means for creating the site timing table with at least one site timing table entry, the site timing table based on ~~at least one of~~ a received beacon signal ~~and~~ or a gratuitous probe response.

17. (currently amended) The system of claim 14 further comprising:  
means for selecting an access point based on ~~at least one of~~ the received beacon signals ~~and~~ or gratuitous probe responses.

18. (original) The system of claim 14 further comprising:  
means for generating an enhanced passive scan schedule based on at least one site timing table entry in the site timing table, the enhanced passive scan schedule including a channel number, a local scan start time, and a maximum channel scan time for each site timing table entry in the site timing table.

19. (original) The system of claim 14 further comprising:  
means for determining a power mode for a wireless communication device based on the scan start time.

20. (canceled)

21. (canceled)

22. (canceled)

23. (canceled)

24. (canceled)